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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known **Application Number** 10/612,904 Filing Date Jul. 07, 2003 First Named Inventor CHRISTOPHER WARGO et al Art Unit 1734 Examiner Name Attorney Docket Number

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
507	-	Number-Kind Code <sup>2 (F known)</sup>	11111 00 4000	CUMMUNICO AL EL	· · · · · · · · · · · · · · · · · · ·
SOC	Α	<sup>US-</sup> 4,336,320		CUMMINGS et al.	
SPC	В	<sup>US-</sup> 4,417,393	NOV. 29,1983	BECKER	
SPC	С	<sup>US-</sup> 4,710,253	DEC. 01,1987	SOSZEK	
SPC	D	<sup>US-</sup> 4,763,403	AUG. 16,1988	KLEIN et al.	
spc	E	<sup>US-</sup> 4,912,844	APR. 03,1990	PARKER	
SPC	F	<sup>US-</sup> 4,959,119	SEP. 25,1990		
SPC	G	<sup>US-</sup> 5,091,339	FEB. 25,1992	CAREY	
SPL	Н	<sup>US-</sup> 5,263,957	NOV. 23,1993	DAVISON	
SPC	Ī	<sup>US-</sup> 5,422,190	JUN. 06,1995	ALEXANDER	
SPC	J	<sup>US-</sup> 5,576,073	NOV. 19,1996		
SPC	K	<sup>US-</sup> 5,609,704	MAR. 11,1997	HAYAMA et al.	
SPC	L	<sup>US-</sup> 5,666,722	SEP. 16,1998	TAMM et al.	
SPL	М	<sup>US-</sup> 5,882,722	MAR. 16,1999	KYDD	·
SPC	N	<sup>US-</sup> 6,036,889	MAR. 14,2000		
SPC	0	<sup>US-</sup> 6,143,356	NOV. 07,2000	JABLONSKI	
SPC	Р	<sup>US-</sup> 6,163,957	DEC. 26,2000	1	
Sbc	Q	<sup>US-</sup> 6,379,745	APR. 30,2002	KYDD et al.	•
SAC	R	<sup>US-</sup> 4,508,753	APR. 02,1985	STEPAN	
		US-			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	Π	
		Country Code <sup>3 *</sup> Number <sup>4 *</sup> Kind Code <sup>5</sup> (if known)				T <sup>6</sup>	
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Examiner Signature	Chan	Suis B	Date Considered	5/27/05

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE required to respond to a collection of information unless it contains a valid OMB control number. 95, no personada Under the Paperwork Reduction Act Complete if Known Substitute for form 1449/PTO **Application Number** 10/612,904 INFORMATION DISCLOSURE **Filing Date** 7 JULY 2003 STATEMENT BY APPLICANT First Named Inventor CHRISTOPHER WARGO, ET AL. Art Unit 7<del>782</del> 1734 (Use as many sheets as necessary) **Examiner Name** CHAN Attorney Docket Number Sheet MR2799-10 1

Examiner Initials*	Cite No.1	NON PATENT LITERATURE DOCUMENTS  Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	· T²
SPC	AA	Vanheusden, et al., "Advanced Materials System for Ultra-Low Temperature, Digital, Direct-Write Technologies", DIRECT-WRITE TECHNOLOGIES FOR RAPID PROTOTYPING APPLICATIONS, Academic Press, San Diego, 2002, pgs 123 - 174	
SPC	AB	"Electronic Packaging and Interconnect Handbook", 1991, pgs 7.1 - 7.19.	
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